

Name \_\_\_\_\_ Date \_\_\_\_\_

## Place Value

### Math Content

Students will explore number systems, identify the place value of digits, perform operations with large numbers, and practice using exponential and scientific notations.

5. Write each sum of products as a single number.

a.  $7 \times 100 + 7 \times 10 + 3 \times \frac{1}{10}$

\_\_\_\_\_

b.  $4 \times 1,000 + 1 \times 100 + 2 \times 10 + 1 \times 1$

\_\_\_\_\_

c.  $2 \times 100 + 3 \times 10 + 5 \times \frac{1}{10} + 2 \times \frac{1}{100}$

\_\_\_\_\_

6. Write each number as a sum of products showing place values.

a. 242.05 \_\_\_\_\_

b. 4,510 \_\_\_\_\_

c. 1,663.1 \_\_\_\_\_

7. Do you need a decimal point to write the product  $18.03 \times 10 \times 10 \times 10$  as a single number? Explain your answer.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

8. Which of the following is not a way of writing the number 4,500,000?

- A. 4.5 million
- B. four and a half million
- C. forty-five thousand million
- D. four million five hundred thousand

9. Write out each number using words.

a. 4,995,201

\_\_\_\_\_

\_\_\_\_\_

b. 302,500,000

\_\_\_\_\_

\_\_\_\_\_

c. 77,210,000,000

\_\_\_\_\_

\_\_\_\_\_

10. Find each product and write your answer using numerals.

a. two million times one hundred

\_\_\_\_\_

b. one billion times ten

\_\_\_\_\_

c. one thousand times fifty thousand

\_\_\_\_\_

11. A pie factory uses 250 cherries to make a cherry pie. If the factory makes ten thousand pies each year, how many cherries does it use each year?

\_\_\_\_\_



Name \_\_\_\_\_ Date \_\_\_\_\_ Class \_\_\_\_\_

## Many Zeros

<u>Words</u>	<u>Numeral</u>
One Thousand	1,000
One Million	1,000,000
One Billion	1,000,000,000
One Trillion	1,000,000,000,000

1. Write the following numbers as a numeral using digits.

a. thirteen million \_\_\_\_\_

b. 2 billion \_\_\_\_\_

c. one and a half million \_\_\_\_\_

d. 1.4 million \_\_\_\_\_

e. 2.3 billion \_\_\_\_\_

2. And now the other way around, write each number in words.

a. 7,000,000 \_\_\_\_\_

b. 9,000,000,000 \_\_\_\_\_

c. 15,000,000 \_\_\_\_\_

d. 1,500,000 \_\_\_\_\_

e. 5,000,000,000 \_\_\_\_\_

f. 500,000 \_\_\_\_\_

3. Make up a similar writing exercise. Exchange with a classmate and do each other's problems.